

US EPA RECORDS CENTER REGION 5



466792

Monthly Oversight Report 11
ACS NPL Site
Griffith, Indiana
November 3 - November 30, 2001



BLACK & VEATCH

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Black & Veatch Special Projects Corp.

USEPA/RAC VII
American Chemical Services RAO (057-ROBF-05J7)

BVSPC Project 46526
BVSPC File C.3
December 12, 2001

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12/01

Mr. Kevin Adler
U.S. Environmental Protection Agency
77 W. Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Subject: Monthly Oversight Summary Report
No. 11 for November 2001

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 11 for November 2001 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email (campbellm@bv.com).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.
Site Manager

Enclosure

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Monthly Oversight Summary Report No. 11
ACS Superfund Site WA57, 46526.238

Reporting Period: Month of November (November 3 - November 30, 2001)

BVSPC O/S Dates: November 5, 8, 13, 15, 26, and 29, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	8	Respondent's General Contractor
U.S. Environmental Protection Agency	1	
Black & Veatch Special Projects Corp.	2	USEPA Oversight Contractor
Indiana Department of Environmental Management	1	
American Chemical Services, Inc.	1	On-Site Operating Facility
Austgen	1	Electrical Contractor
Contract Dewatering Services	2	Extraction Well Contractor
Great Lakes Soil & Environmental Testing	1	Compaction Testing Contractor
Onyx Environmental Services	1	Drum Disposal Contractor
Midwest Environmental , Inc.	3	Drum Disposal Contractor
Ozinga	1	Rolloff Transport Contractor
Triad Transport	3	Drum Waste Hauler
Heritage Industrial Services	4	OFCA ISVE Yard Piping Contractor
Environ	1	
Simalabs	1	Equipment Supplier

Construction Activities

Major Activities:

- Midwest Environmental, Inc., Onyx Environmental Services, and Montgomery Watson Harza completed the disposal of the overpacked drums and drum carcass debris.
- Contract Dewatering Services repaired extraction well EW-20C.
- Montgomery Watson Harza installed the pump at extraction well EW-20C.
- Northern Indiana Public Service Company installed the permanent power to the Off-Site Containment Area.
- Austgen connected the permanent power supply to the Off-Site Containment Area structures.
- American Chemical Services, Inc. held site safety meetings for the contractors.
- Heritage Industrial Services mobilized to the site for the Off-Site Containment Area in-situ soil vapor extraction yard piping installation.
- Montgomery Watson Harza changed the carbon in the groundwater treatment plant process.
- Montgomery Watson Harza conducted the sixth round of groundwater sampling for the Oxygen Release Compound South Area Pilot Study.
- Montgomery Watson Harza held a meeting to review comments to its *Revised Long-Term Groundwater Monitoring Plan*.
- Montgomery Watson Harza held weekly construction coordination meetings on November 8, 15, and 29, 2001, and canceled the weekly construction coordination meeting on November 22, 2001, because of the Thanksgiving holiday.

Activities Performed:

Black & Veatch Special Projects Corp. (BVSPC) observed Montgomery Watson Harza (MWH), Midwest Environmental, Inc. (MEI), and Onyx Environmental Services (OES) dispose of the overpacked drum wastes on November 5, 2001. On November 8, 2001, BVSPC observed Ozinga begin unloading the rolloffs containing drum carcass wastes onto the concrete drum storage pad for shearing. MEI sheared the drum carcass debris in Level B personal protective equipment (PPE). MEI decontaminated the empty drum waste storage rolloffs in Level C PPE on the concrete drum storage pad prior to their removal from the site. The decontamination water was pumped to the groundwater treatment plant (GWTP) for treatment.

MEI and MWH performed air monitoring using a photoionization detector (PID) to ensure that the exclusion zone was sufficient during drum disposal activities. MWH reported that the readings at the perimeter of the exclusion zone typically spiked at 5 ppm and returned to 0 ppm. MWH reported that a "hot" rolloff was opened on November 12, 2001. The PID readings at the fence line north of the concrete drum storage pad varied between 2 and 5 ppm. MWH reported that it closed its entrance road into the site and extended the exclusion zone. MWH re-opened the entrance road into the site once the materials were loaded into the lined and tarped rolloff for disposal and the air monitoring results returned to 0 ppm.

MWH disposed of the remaining 31 drums stored on the concrete drum storage pad that were generated

by MWH in site activities unrelated to the drum removal activities in the On-Site Containment Area (ONCA). Of the 31 drums generated from previous site activities, 11 drums containing aqueous liquids were pumped to the GWTP for treatment. Five assorted product drums were characterized and sent for disposal with the overpacked drums generated from the drum removal activities. Four assorted soil drums and seven empty drums were sheared and disposed of with the drum carcass waste debris. The remaining four drums containing drill cuttings generated during the Oxygen Release Compound (ORC) North Area Pilot Study and the rolloff containing the drill cuttings from the Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) well installation were unloaded at the American Chemical Services, Inc. (ACS) ONCA firepond. MWH reported that MEI completed decontamination activities and demobilized from the site during the week of November 19, 2001. MWH also reported that it received some of the Certificates of Destruction and the Waste Manifests for the drum disposal. A total of 234 drums and 380 CY of drum waste materials were transported to Port Arthur, Texas for incineration.

BVSPC observed Contract Dewatering Services (CDS) complete the repairs to extraction well EW-20C. CDS excavated to the tile and connected it to the lower section of the 48-inch-diameter manhole. CDS connected additional concrete manhole sections to complete the manhole while backfilling the excavation with the previously removed material. BVSPC observed CDS place the clay in 6-inch-thick lifts and compact the clay with a sheepsfoot roller. CDS compacted the clay near the extraction well with a jumping jack compactor. Great Lakes Soil & Environmental Testing tested the clay moisture content and compaction. After compaction and moisture requirements were met, CDS replaced the top soil. MWH reported that it will replace the erosion matting and seeding for the portion of the OFCA cover near EW-20C. CDS demobilized from the site during the week of November 19, 2001.

Northern Indiana Public Service Company (NIPSCO) installed the permanent power to the OFCA. NIPSCO required an earthen berm over the power line running from the utility pole outside of the OFCA to the power box on the OFCA. MEI constructed the earthen berm between the NIPSCO pole and the power breaker on the OFCA prior to NIPSCO energizing the line. Austgen completed connecting the permanent power supply to the OFCA structures. MWH and Austgen began discussing the control logic for the motor control center in the OFCA blower shed.

ACS held a site safety meeting for MEI's subcontractors on November 8, 2001. ACS also held a site safety meeting earlier that week for OES personnel.

MWH reported that Heritage Industrial Services (HIS) visited the site on November 13, 2001. MWH and HIS personnel conducted an unscheduled pre-construction meeting on November 13, 2001. HIS mobilized to the site with its supplies and equipment during the week of November 19, 2001. MWH canceled the OFCA ISVE yard piping installation kick-off meeting scheduled for November 26, 2001, with HIS because of contract problems with HIS's Health and Safety submittals. MWH and HIS did not schedule a replacement kick-off meeting because of the impromptu meeting on November 13, 2001. The OFCA ISVE yard piping installation activities were postponed to December 3, 2001. The oxidizer for the OFCA ISVE system is scheduled to arrive in January 2002.

MWH changed the carbon in the GWTP process on November 27, 2001. MWH operated the GWTP

in recirculation mode to reduce the metals released by the new carbon in the water. The granular activated carbon used in the GWTP system releases metals, including arsenic, when it is first placed in the system. Following the recirculation mode, the concentration of metals in the water is reduced and the water can be discharged. Pumping from extraction wells and regular operation of the GWTP were scheduled to resume on December 3, 2001. MWH stopped discharging to the wetland from drainage structure 1, located immediately north of the wetland pond. MWH continued to discharge from drainage structures 2 and 3, located further north of the pond and drainage structure 1.

MWH conducted sampling at the ORC South Area Pilot Study for VOCs on November 29 and 30, 2001. The sampling round was the sixth and final round of the pilot study. BVSPC observed a portion of the ORC well sampling on November 29, 2001.

MWH held a meeting to discuss EPA's and IDEM's comments to the MWH *Revised Long-Term Groundwater Monitoring Plan* on November 29, 2001.

Attached are BVSPC weekly reports No. 36 through 39, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities on November 5, 8, 12, 15, 26, and 29, 2001. BVSPC's crew attended three weekly construction meetings on November 8, 15 and 29, 2001. MWH did not hold a construction meeting on November 22, because of the Thanksgiving holiday.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.
- The residential well located at 1007 Reder Road could not be sampled because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- MWH proposed to replace MW-18 with MW-17 in the *Revised Long-Term Groundwater Monitoring Plan*. MWH will abandon MW-18 in accordance with the Indiana Administrative Code.

Upcoming Activities:

- HIS to install OFCA ISVE yard piping.
- MWH to reseed the OFCA cover near extraction well EW-20C.

Signatures: Leigh Peters (nee Albrecht)

Date: December 10, 2001

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Weekly Oversight Summary Report No. 36
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of November 5, 2001

BVSPC O/S Dates: November 5 and 8, 2001 (Ms. Albrecht)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Contract Dewatering Services	2	Extraction Well Contractor
Onyx Environmental Services	1	Drum Disposal Contractor
Midwest Environmental, Inc.	3	Drum Disposal Contractor
American Chemical Services, Inc.	1	On-Site Operating Facility
Great Lakes Soil & Environmental Testing	1	Compaction Testing Contractor
Ozinga	1	Rolloff Transport Company
Northern Indiana Public Service Company	1	Local Utility Company

Construction Activities

Major Activities:

- Montgomery Watson Harza, Midwest Environmental, Inc. and Onyx Environmental Services removed the overpacked drum waste for disposal.
- Midwest Environmental, Inc. began shearing the drum carcass waste for disposal.
- Contract Dewatering Services repaired extraction well EW-20C.
- Northern Indiana Public Service Company installed the permanent power for the Off-Site Containment Area.
- American Chemical Services, Inc. held site safety meetings for the subcontractors.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Black & Veatch Special Projects Corp. (BVSPC) observed Montgomery Watson Harza (MWH), Midwest Environmental, Inc. (MEI), and Onyx Environmental Services (OES) load the overpacked drum

waste onto trailers for disposal on November 5, 2001. On November 8, 2001, Ozinga began unloading the drum carcass wastes contained in the rolloffs onto the concrete drum storage pad for shearing. BVSPC observed MEI shearing drum carcass debris from two rolloffs for incineration; they wore Level B personal protective equipment (PPE). MEI also decontaminated the empty drum waste storage rolloffs in Level B PPE on the concrete drum storage pad prior to removal from the site. The decontamination water was pumped to the groundwater treatment plant (GWTP) for treatment. MEI and MWH performed air monitoring using a photoionization detector (PID) to ensure that the exclusion zone was sufficient during drum waste disposal activities.

BVSPC observed Contract Dewatering Services (CDS) complete the repairs to the Off-Site Containment Area (OFCA) extraction well EW-20C. CDS excavated to the tile and connected it to the lower section of the 48-inch-diameter manhole. CDS connected additional concrete manhole sections to complete to the manhole while backfilling the excavation with the previously removed material. During backfilling activities, BVSPC observed CDS break the PVC piping in the well point system used for the dewatering of the excavation. CDS turned off the pump and allowed the groundwater to flow back into the excavation from the well point system piping. CDS later removed the trench box from the excavation and continued to backfill the excavation. CDS placed the clay for the cover in 6-inch-thick lifts and compacted the clay with a sheepsfoot roller. CDS compacted the clay near the extraction well with a jumping jack compactor. Great Lakes Soil & Environmental Testing tested the clay moisture content and compaction. After compaction and moisture requirements were met, BVSPC observed CDS replace the top soil. MWH reported that it will replace the erosion matting and seeding for the portion of the OFCA cover near EW-20C. MWH also reported that CDS will be bringing a water truck to the site and decontaminating its equipment prior to demobilizing from the site.

Northern Indiana Public Service Company (NIPSCO) installed the permanent power to the OFCA. NIPSCO required an earthen berm over the power line running from the utility pole outside of the OFCA to the power box on the OFCA. MEI constructed the earthen berm between the NIPSCO pole and the power breaker on the OFCA prior to NIPSCO energizing the line. MWH reported that Austgen will return to the site to connect the motor control center and the extraction wells to the permanent power supply.

MWH reported that the GWTP was not operating for two days because of motor failure in the oxidizer. MWH subsequently repaired the motor and continued pumping from the perimeter groundwater containment system (PGCS) and extraction wells EW-10, EW-17, and EW-18.

MWH reported that Heritage Industrial Services (HIS) was scheduled to mobilize to the site with its supplies and equipment on November 19, 2001. MWH expects work on the OFCA in-situ soil vapor extraction (ISVE) yard piping to begin on November 26, 2001. A kick-off meeting prior to the start-up of the OFCA ISVE construction activities was scheduled for either November 19 or 26, 2001.

American Chemical Services, Inc. (ACS) held a site safety meeting for MEI's subcontractors on November 8, 2001. ACS also held a site safety meeting earlier in the week for OES personnel. MWH held the weekly construction coordination meeting on November 8, 2001.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.
- The residential well located at 1007 Reder Road could not be sampled because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- None to report.

Upcoming Activities:

- MEI and OES to complete shearing the drum carcass waste and remove the waste for incineration.
- Austgen to connect the permanent power supply to the structures on the OFCA.
- MWH to reseed the OFCA cover near extraction well EW-20C.
- HIS to begin installing OFCA ISVE yard piping.

Signatures: Leigh Albrecht

Date: November 13, 2001

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR NOVEMBER 8, 2001 MEETING
AMERICAN CHEMICAL SERVICES, NPL SITE**

MEETING DATE: November 8, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Tom Tinics)

GWTP Status (Lee Orosz)

Barrier Wall Extraction Systems (BWES) Updates (Chris Daly or Todd Lewis)

- Completion of extraction well EW-20C – Contract Dewatering Services (CDS)

Off-Site Utility Work (Tom Tinics)

- Status of Permanent Power Pole
- Buried electrical conduit between power pole and control box – MEI

In-Situ Vapor Extraction (ISVE) System – Off-Site Area (Todd Lewis)

- Yard Piping – Heritage selected as subcontractor
- Anticipated schedule

Drum Removal (Ken Field - MEI)

- Transportation of overpacked drums
- Shearing of roll-off box debris
- Transportation of roll-off box debris

Next Weekly Construction Meeting

- Thursday, November 15, 2001

**WEEKLY CONSTRUCTION MEETING MINUTES
FOR NOVEMBER 8, 2001 MEETING
AMERICAN CHEMICAL SERVICES, NPL SITE**

MEETING DATE: November 8, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Chris Daly - MWH
Travis Klingforth - MWH
Todd Lewis - MWH
Lee Orosz - MWH
Tom Tinics - MWH
Peter Vagt - MWH
Leigh Albrecht - Black & Veatch
Jason Coburn - Onyx

TOPICS:

Health and Safety Summary

No health and safety incidences have occurred since the last weekly construction meeting October 18, 2001. Contract Dewatering Services (CDS) performed work in Level B Personal Protective Equipment (PPE) while they completed installation of extraction well EW-20C.

The kickoff meeting for the drum disposal activities was held on November 2, 2001 with MWH, Onyx Environmental Services, Black & Veatch, Midwest Environmental, Inc. (MEI) and the ACS facility. ACS facility staff provided site Health and Safety and facility training to three staff members of MEI on November 8, 2001. These three people began work on the ACS Site on November 8, 2001.

Groundwater Treatment Plant (GWTP) Status

The GWTP is currently receiving influent water from extraction wells EW-10, EW-17, EW-18, and the Perimeter Groundwater Containment System (PGCS). The Barrier Wall Extraction Systems (BWES) extraction wells in the Off-Site Area have been turned off while CDS is completing the installation of EW-20C.

The drums of water currently stored on the drum pad will be pumped to the GWTP for treatment beginning the week of November 12, 2001. This is further described in the drum removal section of these minutes.

Barrier Wall Extraction Systems (BWES) Updates

CDS is scheduled to complete the re-installation of extraction well EW-20C on November 9, 2001. EW-20C has been connected to the extraction trench and the casing

is in place. The excavation for the extraction well has been backfilled and compaction testing will take place on November 8, 2001.

Off-Site Utility Work

MEI buried the electrical conduit between power pole and control box in the Off-Site Area on November 7, 2001. Permanent power will be available in the Off-Site Area once Northern Indiana Power Supply Company (NIPSCO) has completed installation of the power and meter box, which is scheduled for November 8, 2001. The ISVE motor control center (MCC) and BWES Off-Site wells will be connected to permanent power as soon as NIPSCO has completed its work.

In-Situ Vapor Extraction (ISVE) System – Off-Site Area

Heritage Industrial Services (HIS) has been selected as the subcontractor to install the yard piping for the Off-Site Area ISVE system. MWH and HIS signed the contract on November 6, 2001. The kickoff meeting is scheduled for November 19 or 26, 2001. Mobilization will begin the week of November 19, 2001 and installation will begin the week of November 26, 2001. The work is anticipated to last three weeks. Certified welders will perform the welding work and HIS will follow a specific pressure testing protocol to assure that the piping is installed according to design.

Drum Removal

Onyx transported 227 overpacked drums to its Port Arthur, Texas disposal facility for incineration on November 5, 2001. Thirty-three drums of water currently stored on the drum pad (22 overpacked drums excavated during the drum removal and 11 drums generated during previous site activities) will be pumped to the GWTP for treatment beginning the week of November 12, 2001. The 31 drums which have been stored on the pad from previous site activities, including the 11 drums containing water mentioned above, will also be disposed of as outlined in the November 2, 2001 memo to the Agencies. Roll-off box drum debris material will be sheared for disposal by MEI beginning November 8, 2001. The roll-off boxes will be transported by Onyx to their Port Arthur, Texas facility beginning November 9, 2001.

Long-Term Groundwater Monitoring Plan

A meeting will be scheduled between the U.S. EPA, IDEM, MWH, and Black & Veatch to discuss the Long-Term Groundwater Monitoring Plan which has been proposed by MWH. The date of this meeting will be determined after MWH has received the review comments from U.S. EPA and IDEM.

Next Weekly Construction Meeting

Thursday, November 15, 2001

TMK-TAL/RAA/PJV
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Weekly Oversight Summary Report No. 37
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of November 12, 2001

BVSPC O/S Dates: November 13 and 15, 2001 (Ms. Albrecht)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Indiana Department of Environmental Management	1	
Onyx Environmental Services	1	Drum Disposal Contractor
Midwest Environmental, Inc.	4	Drum Disposal Contractor
Ozinga	1	Rolloff Transport Contractor
Triad Transport	3	Drum Waste Hauler
Heritage Industrial Services	1	OFCA ISVE Yard Piping Contractor
Austgen	1	Electrical Contractor

Construction Activities

Major Activities:

- Midwest Environmental, Inc. completed shearing the drum carcass waste for disposal.
- Heritage Industrial Services visited the site for a pre-construction meeting.
- Austgen connected the permanent power to the Off-Site Containment Area structures.
- Montgomery Watson Harza installed the pump at extraction well EW-20C.
- Montgomery Watson Harza scheduled a meeting to discuss its *Revised Long-Term Groundwater Monitoring Plan* for November 29, 2001.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Midwest Environmental, Inc. (MEI) completed shearing the drum carcass waste for disposal. MEI and Montgomery Watson Harza (MWH) performed air monitoring during the processing activities with a photoionization detector (PID). MWH reported that the readings at the perimeter of the exclusion zone typically spiked at 5 ppm and returned to 0 ppm. MWH reported that a "hot" rolloff was opened on November 12, 2001, for which the PID readings at the fence line north of the concrete drum storage pad

varied between 2 and 5 ppm. MWH stated that it closed its entrance road into the site and extended the exclusion zone during shearing activities and the loading of the material from the "hot" rolloff into the disposal rolloff. MWH re-opened the entrance road into the site once the materials were loaded into the lined and tarped rolloff for disposal and the air monitoring results returned to 0 ppm.

BVSPC observed MEI personnel unload the rolloffs containing drum carcass waste and perform drum carcass waste shearing activities in Level B personal protective equipment (PPE). Based on air monitoring results, MEI personnel downgraded to Level C PPE during rolloff decontamination activities. BVSPC observed Ozinga tip the last three rolloffs containing drum carcass waste onto the concrete drum storage pad on November 15, 2001. MWH expected approximately 18 or 19 rolloffs of drum waste carcass material to be transported to an Onyx Environmental Services (OES) incinerator in Port Arthur, Texas for disposal. MWH disposed of the remaining 31 drums stored on the concrete drum storage pad that were generated by MWH in site activities unrelated to the drum removal activities performed in the On-Site Containment Area (ONCA). Of the 31 drums generated from previous site activities, 11 drums containing aqueous liquids were pumped to the groundwater treatment plant (GWTP) for treatment. Five assorted product drums were characterized and sent for disposal with the overpacked drums generated from the drum removal activities. Four assorted soil drums and seven empty drums were sheared and disposed of with the drum carcass waste debris. The remaining four drums containing drill cuttings generated during the Oxygen Release Compound North Area Pilot Study and the rolloff containing the drill cuttings from the Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) well installation were unloaded at the American Chemical Services, Inc. ONCA firepond. MWH scheduled to complete all waste disposal activities on November 19, 2001. MEI is scheduled to demobilize from the site on November 20, 2001.

MWH reported that Heritage Industrial Services (HIS) visited the site on November 13, 2001, during which MWH and HIS personnel conducted an unscheduled pre-construction meeting. HIS is scheduled to mobilize to the site with its equipment and supplies during the week of November 19, 2001. The kick-off meeting was scheduled for November 26, 2001, at 10:00 AM. The oxidizer for the OFCA ISVE system is scheduled to arrive in January 2002.

MWH and Austgen began discussing the control logic for the motor control center in the OFCA blower shed. Austgen connected the permanent power supply to extraction well EW-20C. MWH installed the pump in extraction well EW-20C. MWH continued to pump from all of the ONCA extraction wells and MW-56. MWH will begin pumping from OFCA extraction wells next week.

MWH reported that Contract Dewatering Services (CDS) was storing its water truck and excavator at the site. CDS is scheduled to demobilize from the site during the week of November 19, 2001.

MWH held the weekly construction coordination meeting on November 15, 2001. MWH scheduled a meeting to review comments to its *Revised Long-Term Groundwater Monitoring Plan* for November 29, 2001, after the weekly construction coordination meeting.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.
- The residential well located at 1007 Reder Road could not be sampled because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- None to report.

Upcoming Activities:

- OES and MEI to finish drum disposal activities and demobilize from the site.
- HIS to begin OFCA ISVE yard piping activities; kick-off meeting scheduled for November 26, 2001.
- MWH to hold meeting on November 29, 2001, to discuss its *Revised Long-Term Groundwater Monitoring Plan*.
- MWH to reseed the OFCA cover near extraction well EW-20C.

Signatures: Leigh Albrecht

Date: November 26, 2001

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR NOVEMBER 15, 2001 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: November 15, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Tom Tinics)

GWTP Status (Lee Orosz)

Barrier Wall Extraction Systems (BWES) Updates (Chris Daly or Todd Lewis)

- Completion of extraction well EW-20C by Contract Dewatering Services (CDS)

Off-Site Utility Work (Tom Tinics)

- Status of permanent power pole

In-Situ Vapor Extraction (ISVE) System – Off-Site Area (Todd Lewis)

- Yard piping installation by Heritage Industrial Services
- Anticipated schedule

Drum Disposal Activities (Ken Field - MEI)

- Shearing of roll-off box debris
- Transportation of roll-off box debris

Long-Term Groundwater Monitoring Plan (Peter Vagt)

- Review comments by U.S. EPA and IDEM
- Meeting to discuss review comments

Next Weekly Construction Meeting

- Thursday, November 29, 2001 (the week after Thanksgiving)

SIGN IN SHEET
WEEKLY CONSTRUCTION MEETING
NOVEMBER 15, 2001

Name	Company	Fax Number
TODD LEWIS	MWH	630 835 892 ⁵⁹
Sean Grady	IDEM	
Ken Field	MEI	219/933-4750
PETER VACT	MWH	630 836 8959
ROB ADAMS	MWH	630-836-8959
Leigh Abrecht	BVSPC	312-346-4781
JASON COBURN	OES	
TRAVIS KLINGERTH	MWH	630.836.8959
Kevin Adler	On Phone ^{ly} Confer	U.S. EPA
LEE OROSZ	MWH	
TOM TITUS	MWH	

**WEEKLY CONSTRUCTION MEETING MINUTES
FOR NOVEMBER 15, 2001 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: November 15, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Robert Adams - MWH
Travis Klingforth - MWH
Todd Lewis - MWH
Lee Orosz - MWH
Tom Tinics - MWH
Peter Vagt - MWH
Kevin Adler - U.S. EPA (via phone)
Sean Grady - IDEM
Leigh Albrecht - Black & Veatch
Jason Coburn - Onyx
Ken Field - MEI

TOPICS:

Health and Safety Summary

No health and safety incidences have occurred since the last meeting. Midwest Environmental, Inc. (MEI) has performed the work of drum debris disposal in Level B Personal Protective Equipment (PPE), downgrading or upgrading PPE as dictated by air monitoring results. Mike Grasso, corporate health and safety officer for MWH and a former OSHA inspector, will be conducting a site visit during December 2001.

Drum Disposal Activities

MEI began shearing and resizing drum debris November 8, 2001. By the end of the day November 15, 2001 all original Ozinga roll-off boxes are expected to have been emptied onto the drum pad and decontaminated. All drum debris is expected to be resized and re-containerized by November 16 or November 19, 2001. All drum debris is expected to be shipped to the Onyx facility in Port Arthur, Texas for incineration by November 19, 2001. MEI is scheduled to decontaminate equipment and the drum pad on November 19, 2001 and demobilize by November 20, 2001. Upon completion of the job, 234 overpacked drums of material and 18 to 19 twenty-yard roll-off boxes will have been sent to Port Arthur, Texas for incineration. Todd Lewis will be completing and distributing a flow chart which summarizes drum material disposal activities.

Long-Term Groundwater Monitoring Plan

MWH has received review comments from the U.S. EPA and IDEM regarding the revised Long-Term Groundwater Monitoring Plan proposed by MWH. MWH is formulating responses to the Agencies' comments and hopes to distribute their comments for client review prior to the Thanksgiving holiday. Upon client review, MWH will distribute their comments for Agency review. A meeting to discuss review comments is tentatively scheduled between MWH, U.S. EPA, IDEM, and Black & Veatch on November 29, 2001.

Off-Site Utility Work

Northern Indiana Power Supply Company (NIPSCO) completed the installation of the metering box for permanent power to the Off-Site Area on November 8, 2001. The motor control center (MCC) for the Off-Site Area In-Situ Soil Vapor Extraction System (ISVE) is connected to the permanent power source. Austgen Electric is currently trenching permanent power lines to extraction well EW-20C of the Off-Site Area Barrier Wall Extraction System (BWES). The Off-Site Area BWES wells should be connected to the permanent power source by November 16, 2001.

Groundwater Treatment Plant (GWTP) Status

The GWTP currently is receiving influent from the On-Site BWES wells and the Perimeter Groundwater Containment System (PGCS). The Off-Site BWES wells were turned off during the completion of extraction well EW-20C. During the completion of EW-20C, the temporary power to the Off-Site Area was disconnected. The Off-Site Area extraction wells will be turned on again after they have been wired to the permanent power source.

Barrier Wall Extraction Systems (BWES) Updates

Contract Dewatering Services (CDS) completed the installation of extraction well EW-20C and demobilized on November 9, 2001. CDS will demobilize their remaining equipment by the end of November 2001. Erosion controls will be installed in the area surrounding EW-20C by the end of November 2001. The Off-Site Area BWES extraction wells will resume pumping to the GWTP once after they have been connected to the permanent power source.

In-Situ Vapor Extraction (ISVE) System – Off-Site Area

Heritage Industrial Services (HIS) of Indianapolis, Indiana participated in an informal pre-construction meeting on November 13, 2001 for the installation of the yard piping for the Off-Site Area ISVE system. HIS is scheduled to begin mobilization on November 19, 2001. Installation of the yard piping is scheduled to begin on November 26, 2001. The kickoff health and safety meeting for the project is scheduled for November 26, 2001 at 10 am. The project is expected to last three to four weeks.

The blower unit for the Off-Site Area ISVE system is scheduled to arrived during early December 2001. The thermal oxidizer unit delivery has been postponed to January 2002 due to manufacturing delays. Austgen Electric is completing the installation plan for the control system for the ISVE system.

The soil cuttings generated from the installation of the Off-Site Area ISVE wells by Boart Longyear, which have been stored in a roll-off box since the completion of Boart Longyear's work, were placed in the Fire Pond Spoil Pile Management Area on November 14, 2001. This is an area that will be treated by ISVE in the future.

Next Weekly Construction Meeting

The next weekly construction meeting is scheduled for Thursday, November 29, 2001.

TMK/TAL/PJV/RAA

J:\209\0601 ACS\0202 MWA PMMeeting Minutes 11-15-01.doc

Weekly Oversight Summary Report No. 38
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of November 19, 2001

BVSPC O/S Dates: Canceled due to limited site activities.

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	2	Respondent's General Contractor
Black & Veatch Special Projects Corp.	0	USEPA Oversight Contractor
Midwest Environmental, Inc.	1	Drum Disposal Contractor
Ozinga	1	Rolloff Transport Contractor
Heritage Industrial Services	1	OFCA ISVE Yard Piping Contractor

Construction Activities

Major Activities:

- Midwest Environmental, Inc. decontaminated the drum storage pad and demobilized from the site.
- Heritage Industrial Services mobilized to the site for the ISVE yard piping installation.
- Montgomery Watson Harza canceled the weekly construction coordination meeting because of the Thanksgiving holiday.

Activities Performed:

Montgomery Watson Harza (MWH) reported that Midwest Environmental, Inc. (MEI) completed the drum disposal activities. MEI decontaminated the drum storage pad and its equipment before demobilizing from the On-Site Containment Area (ONCA). Ozinga removed all of the empty decontaminated rolloffs.

MWH reported that Heritage Industrial Services (HIS) mobilized and brought its equipment and supplies to the site during the week. Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) yard piping installation activities were scheduled to begin during the week of November 26, 2001.

MWH did not hold the weekly construction coordination meeting because of the Thanksgiving holiday.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.

- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.
- The residential well located at 1007 Reder Road could not be sampled because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- None to report.

Upcoming Activities:

- HIS to begin OFCA ISVE yard piping installation activities; kick-off meeting scheduled for November 26, 2001.
- MWH to hold meeting on November 29, 2001, to discuss its *Revised Long-Term Groundwater Monitoring Plan*.
- MWH to reseed the OFCA cover near extraction well EW-20C.

Signatures: Leigh Albrecht

Date: November 26, 2001

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Weekly Oversight Summary Report No. 39
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of November 26, 2001

BVSPC O/S Dates: November 26 (Ms. Peters) and 29, 2001 (Mr. Campbell and Ms. Peters)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	8	Respondent's General Contractor
U.S. Environmental Protection Agency	1	
Black & Veatch Special Projects Corp.	2	USEPA Oversight Contractor
Indiana Department of Environmental Management	1	
Environ	1	
Austgen	2	Electrical Contractor
Simalabs	1	Equipment Supplier
Heritage Industrial Services	4	OFCA ISVE Yard Piping Contractor

Construction Activities

Major Activities:

- Montgomery Watson Harza canceled the in-situ soil vapor extraction yard piping kick-off meeting scheduled for November 26, 2001.
- Austgen conducted electrical activities for the groundwater treatment plant.
- Montgomery Watson Harza changed the carbon in the groundwater treatment plant process.
- Montgomery Watson Harza conducted the sixth round of Oxygen Release Compound South Area Pilot Study groundwater sampling.
- Montgomery Watson Harza held a meeting on November 29, 2001, to discuss its *Revised Long-Term Groundwater Monitoring Plan*.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Montgomery Watson Harza (MWH) canceled the Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) yard piping installation kick-off meeting scheduled for November 26, 2001, with

Heritage Industrial Services (HIS) because of contract problems with HIS's Health and Safety submittals. MWH and HIS did not schedule a replacement kick-off meeting because HIS was on-site November 13, 2001, for an impromptu meeting. HIS mobilized to the site; however, they did not begin installing the OFCA ISVE yard piping. The coiled piping brought to the site by HIS required straightening prior to installation. HIS scheduled pipe straightening and installation activities to begin on December 3, 2001.

MWH changed the carbon in the groundwater treatment plant (GWTP) process on November 27, 2001. MWH is operating the GWTP in recirculation mode to reduce the metal concentrations in the treated water released by the new carbon. The granular activated carbon used in the GWTP system releases metals, including arsenic, when it is first placed in the system. Following the recirculation mode, the concentration of metals in the water is reduced and the water can be discharged. Pumping from extraction wells and regular operation of the GWTP were scheduled to resume on December 3, 2001. MWH stopped discharging to the wetland from drainage structure 1, located immediately north of the wetland pond. MWH continued to discharge from drainage structures 2 and 3, located further north of the pond and drainage structure 1.

MWH reported that Midwest Environmental, Inc. completed decontamination activities and demobilized from the site during the week of November 19, 2001. MWH also reported that it has received some of the Certificates of Destruction and the Waste Manifests for the drum disposal. MWH reported that a total of 234 drums and 380 CY of drum waste materials were transported to Port Arthur, Texas for incineration.

MWH conducted sampling at the Oxygen Release Compound (ORC) South Area Pilot Study for VOCs on November 29 and 30, 2001. The sampling round was the sixth and final round of the pilot study. BVSPC observed a portion of the ORC well sampling on November 29, 2001.

MWH held a meeting to discuss EPA's and IDEM's comments to the *MWH Revised Long-Term Groundwater Monitoring Plan*. MWH also held the weekly construction coordination meeting.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.
- The residential well located at 1007 Reder Road could not be sampled because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- MWH proposed to replace MW-18 with MW-17 in the *Revised Long-Term Groundwater Monitoring Plan*. MWH will abandon MW-18 in accordance with the Indiana Administrative Code.

Upcoming Activities:

- HIS to begin OFCA ISVE yard piping activities.
- MWH to reseed the OFCA cover near extraction well EW-20C.

Signatures: Leigh Peters (nee Albrecht)

Date: December 4, 2001

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR NOVEMBER 29, 2001 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: November 29, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Tom Tinics)

GWTP Status (Lee Orosz)

In-Situ Vapor Extraction (ISVE) System – Off-Site Area (Todd Lewis)

- Yard piping installation by Heritage Industrial Services
- Anticipated schedule

Drum Disposal Activities (Todd Lewis)

- Summary of activities
- Final material shipped off site – 11/19/01
- MEI demobilization on 11/19/01

Long-Term Groundwater Monitoring Plan (Peter Vagt)

- Review comments by U.S. EPA and IDEM
- Meeting to discuss review comments

ORC South Area Pilot Study (Peter Vagt)

- Final round of monitoring (Round 6) – scheduled for week of November 26, 2001

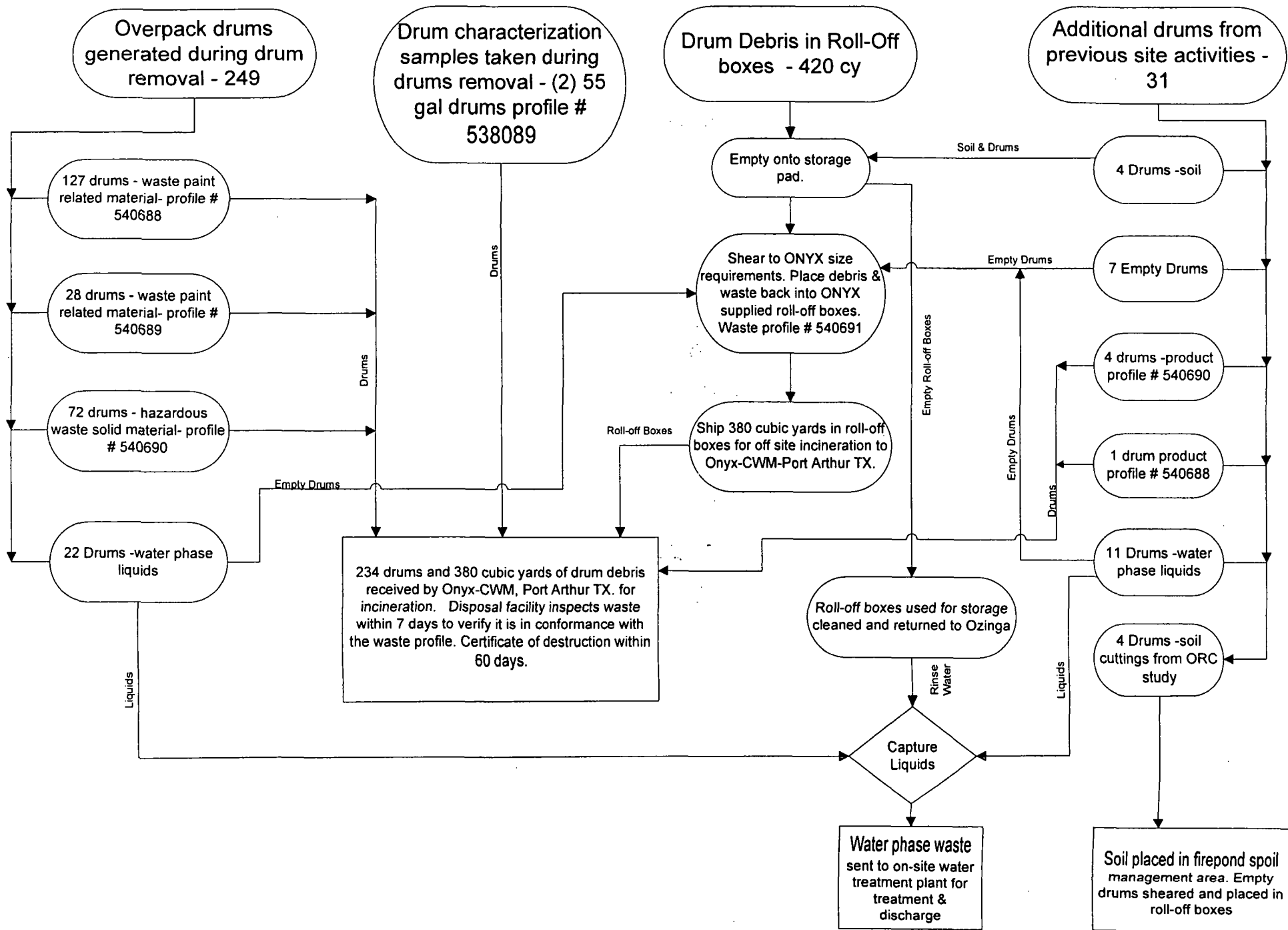
Next Weekly Construction Meeting

- Thursday, December 6, 2001

SIGN IN SHEET
WEEKLY CONSTRUCTION METING
NOVEMBER 29, 2001

Name	Company	Fax Number
<u>Kevin Adler</u>	<u>USEPA</u>	<u>312 353-5541</u>
<u>Harry Campbell</u>	<u>BVSPC</u>	<u>312-346-4781</u>
<u>Leigh Peters</u>	<u>BVSPC</u>	<u>312-346-4781</u>
<u>Ann Leahy</u>	<u>IDEM</u>	
<u>LEE OROSS</u>	<u>MWH</u>	
<u>ROB ADAMS</u>	<u>MWH</u>	<u>630-836-8959</u>
<u>PETER VAGT</u>	<u>MWH</u>	<u>630-836-8959</u>
<u>CHRIS DALY</u>	<u>MWH</u>	<u>630-836-8959</u>
<u>Chas Smith</u>	<u>MWH</u>	<u>630-836-8959 "</u>
<u>Tom Tivies</u>	<u>MWH</u>	
<u>MARK IRVING</u>	<u>ENVIRON</u>	<u>312.853.9430</u>

Drum Waste Disposal



**WEEKLY CONSTRUCTION MEETING MINUTES
FOR NOVEMBER 29, 2001 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: November 29, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES:

Rob Adams – MWH
Chris Daly – MWH
Lee Orosz – MWH
Chad Smith – MWH
Tom Tinics – MWH
Peter Vagt – MWH
Kevin Adler – U.S. EPA
Sean Grady – IDEM
Larry Campbell – BVSPC
Leigh Peters – BVSPC
Mark Travers – Environ

TOPICS:

Health and Safety Summary

We had another week with no health and safety incidents or work days lost. Heritage Industrial Services is performing the installation of the conveyance piping for the Off-site ISVE system. Heritage personnel have received the site-specific health and safety training. The Griffith Police Department has been routinely patrolling the site at nights and over weekends and has not reported anything unusual. Hunters have not been observed in the area. Warning signs around the site have been maintained.

GWTP Status

Carbon was changed out on November 27, 2001 and was activated on November 28, 2001. The plant is discharging to a swale cut to direct ACS discharge away from the wetland pond. Active pumping is scheduled to resume on December 3, 2001 from extraction wells MW-54, EW-10, EW-11, EW-12, EW-13A, EW-15, EW-16, EW-19, EW-20B, EW-20C, and the PGCS.

In-Situ Vapor Extraction (ISVE) System – Off-Site Area

Heritage has begun installation of the conveyance piping from the blower shed to the ISVE wells. Additional equipment will be mobilized to help straighten the HDPE pipe.

Heritage expects to return to the site on December 3, 2001 when they will have a "line-tamer" on site to straighten the pipe.

Fliteway Technologies will be on site the week of December 3, 2001 to work on the blower shed. Fliteway has notified MWH that the blower is scheduled to arrive within the next two weeks. The thermal oxidizer is scheduled to be delivered during the first part of January 2002.

Drum Disposal Activities

All drums have been transported to the Onyx facility in Port Arthur, Texas. Certificates of Destruction have been received for all overpacked drums which were sent to the Onyx facility. The storage rolloff boxes have been decontaminated and returned to their owner. The drum disposal pad in the On-site Area has been triple-washed by MEI. MWH will evaluate the feasibility of adding a discharge pipe from the drum pad to a drainage swale north of the site fence to reduce infiltration.

Long-Term Groundwater Monitoring Plan

A separate meeting was held following the weekly on-site construction meeting to discuss the long-term groundwater monitoring plan.

ORC South Area Pilot Study

The final round (Round 6) of sampling should be completed by November 30. Five wells are currently being sampled. The results of this round should be available in mid-December. The initial results from the study appear positive.

Look Ahead (Important Dates)

- **December 3-21, 2001** – Heritage Industrial Services on site to install ISVE yard piping.
- **December 6, 2001** – Weekly Site Construction Meeting at 10 AM.
- **December 13, 2001** – Weekly Site Construction Meeting at 10 AM. Site Open House following meeting.

Next Weekly Construction Meeting

The next weekly construction meeting is scheduled for Thursday, December 6, 2001.

CAD/PJV/TAL/TMK

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(124)

11/5/01

Tyler [signature]

- 0720 Arrive On site, Clear 1/2nd of Wind from Northwest
- 0730 Observed CDS clearing more of OFCA cover for excavation spoils. C. Smith of MNH reported that CDS will be entering the excavation with supplied air.
- 0800 Observed OES organizing ~~overpack~~ overpack drums for disposal.
- Personnel Present On Site
- | | |
|-------------------|-------|
| Travis Klingforth | MNH |
| Chad Smith | MNH |
| Dennis Korman | CDS |
| Barry Medford | CDS |
| Ted | CDS |
| Todd Lewis | MNH |
| Jason Coburn | OES |
| Dan Prebey | OES |
| Leigh Albrecht | BVSPL |
| Doug Bannan | MEI |
- 0810 Left Site
- 1000 Return to Site. Observed OES loading overpack drums into trailer.
- 1010 Roll 16 Photo 1 Facing west of MEI loading overpack drum into trailer for transport.
- 1015 Roll 16 Photo 2 Facing South of MEI and OES loading overpack drums into truck

[signature]

(125)

11/5/01

Tyler [signature]

- 1030 Observed CDS working on EW20C
- 1035 Roll 16 Photo 3 Facing South, down into excavation at tile and connection to extend tile.
- 1105 Roll 16 Photo 4 Facing southeast of 48-inch diam. manhole being loaded into excavation for connection to tile.
- 1110 Roll 16 Photo 5 Facing Southeast into excavation of CDS employee with SCBA connecting tile to manhole.
- 1145 Left site for lunch
- 1220 Return to Site; worked on weekly reports
- 1310 Observed CDS & OFCA CDS began backfilling excavation
- 1335 CDS broke part of the conveyance PVC piping as part of the well point system. Pump was immediately turned off by CDS. Trench box was removed.
- 1340 Roll 16 Photo 6 Facing north of broken piping at excavation.
- 1345 Roll 16 Photo 7 Facing Southeast. Photo of stockpiled material excavated from wetlands for use as root zone material.
- 1350 Observed loading of trucks with overpacks. Second truck arrived at 1:00, three hours late. May not have all trucks loaded today

[signature]

(126)

11/5/01

Agilellus

- 1350 Two bobcats are loading drums into trucks.
 1430 CDS began removing well point system
 1445 CDS reported that a tanker truck will
 be brought to site to flush piping lines
 into bro tank. CDS will also bring truck
 on 11/6 to load up piping and trench
 box to take to ONCA for decontamination
 1500 Observed loading of overpack drums.
 1520 Left site for Day

Agilellus
 11/5/01

(127)

11/8/01

Agilellus

- 0720 Arrive on-site, partly cloudy, 50°F Wind
 from South-Southwest
 0730 Personnel on site
 * Lee Orosz MWH
 Barry Mettard CDS
 Dennis Rannar CDS
 * Chris Daly MWH
 Robert Shrader MEI
 Ken Field MEI
 Augustine Lewis MEI
 * Leigh Albrecht BVSPL
 0735 Attended ACS Health & Safety meeting
 presented by Doug Drain of ACS.
 0750 Meeting concluded.
 0800 Observed CDS compacting clay in vicinity
 of EN20C
 0815 Roll 16 Photo 8 Facing west of CDS compacting
 clay with sheepfoot roller near EN20C
 0820 Roll 16 Photo 9 Facing west looking down
 at EN20C
 0825 Roll 16 Photo 10 Facing North of Great Lakes
 Soil and Environmental testing compacted clay
 area.
 0830 CDS began recompacting clay. Left to get
 jumping jack to compact near EN20C

Agilellus

(128)

11/8/01

Tight Summit

0840 Observed MEI and OES prepare for drum activities on ONCA.

0900 Reviewed Janic Groundwater Report - MWH

1000 Weekly Construction Coordination Meeting

Attendees (* on persons) plus

Travis Klingforth MWH Todd Lewis MWH

Pete Vagt MWH Jason Coburn OES

Tom Tines MWH

Health and Safety

• No incidents

• Drum Removal Kickoff Mtg 11/2

• P&S site training 11/8

GNTP

• Down 2-days due to motor failure on oxidizer, all back on-line.

• Pumping from PGCS, EW 10, 17, 18 - ONCA

ONES

• CDS made connection at CN 20C, manhole placed

• CDS to install pump and complete backfilling and compacting clay cover.

Off-site Utility

• NIPSCO to power up meter and charge power to OFCA

• Puget to connect and charge MCC and off-site wells. Temporary power to be disconnected.

Tight Summit

(129)

11/8/01

Tight Summit

EVE:

- Heritage Assembling submittals. To mobilize on 11/19/01 with work to start 11/26/01.

- MWH to schedule kickoff meeting either 11/19 or 11/26.

Drum Removal

- Overpack drums removed on 11/5/01 for incineration

- MEI to begin shearing today. To load out starting 11/9/01. Level B PPE on pad during shearing and loading activities.

- MWH established handling plan for remaining 31 drums.

LTGMP

- MWH received ~~both~~ BVSPL/EPA comments. Preparing responses. Still waiting for IDEM comments.

- MWH to schedule meeting to review comments after a Thursday construction meeting.

- MWH anticipate sampling December 2001.

Next Meeting - November 15 @ 10:00 AM

11:10 Mtg adjourn.

11:25 Observed activities for drum wastes on pad.

Deinga tipped one roll off, tipping second onto pad.

11:30 Roll 14 Photo 11 Facing Southeast of MEI unloading roll off with drum carcasses onto concrete drum storage pad.

200 Spoke with Ken Fields regarding sampling roll offs after decon. He said vendors do not have

Tight Summit

(130)

11/8/01

J. Ellmest

requirements other than visual inspection. Roll-offs are dedicated for hazardous waste.

1240 left site for lunch

1320 Return to site observed MEI shearing drum carcasses

1330 Roll 16 Photo 12 Facing southeast Photo of MEI shearing drum carcass waste.

1400 observed CDS regading topsoil on OFCA near EW20C

Roll 16 Photo 13 Facing west Photo of CDS spreading topsoil for cover near EW20C

Observed tanker truck finishing lines

1420 Reviewed Coordinator Report + wrote Weekly report

1500 observed MEI shearing drum carcasses and securing perimeter of drum storage pad with orange construction fencing

1520 left site for day

J. Ellmest
11/8/01

(131)

11/13/01

J. Ellmest

0730 Arrive Onsite, Partly Cloudy, 50-55°F
Wind from South Southeast.

0740 Personnel Present Onsite

Lee Drosz MWTH

Ken Field MEI

Augustine Lewis MEI

Travis Klingforth MWTH

R. Shrader NPS/MEI

Doug Drinnah MEI

Dan Preboy DES

Gary Alexander Austgen

R. Johnson Triad

W. Gresham Triad

L. Risen Triad

Leigh Albrecht BVSPG

0745 observed Triad removing roll-off with drum carcass waste. Roll-offs are lined and tarped. MEI lining storage roll-offs that have been emptied. Decanned roll-offs are being staged Northeast of MWTH trailer. MEI decanning roll-offs in Level C PPE. MEI lining roll-offs then washing with Simple Green per K. Field

0815 Spoke with Travis Klingforth. MWTH processed and removed 7 roll-offs to date. To process three more today. Level B horn for unloading roll-offs. PID hits higher in exclusion zone. PID readings at

J. Ellmest

(132)

11/12/01

Joseph Allard

perimeter of zone range from 0-5ppm. Opened roll off yesterday that had high hits on PID closed ~~to~~ ^{road} to trailer since PID readings at 2-5 ppm at fence line. Winds from south

0825 Ozinga unloaded first roll off of drum carcasses to be processed. PID reading spiked at .05 at fence line. 11 roll offs remain. MWH expects to be finished on Friday. To dispose of remaining drums on Monday.

0830 Roll 16 Photo 14 Photo facing north of shedder line loading lined third roll off with drum carcasses for disposal.

0850 Went to OFCA CDS finished EW20C. Austgen reconnecting electrical to 20C. CDS disconnected piping to biotank, being staged along fence west of EW20C. MWH stated that CDS is keeping excavator and water truck on site this week.

0855 Roll 16 Photo 15 Facing northwest. Photo of NIKO power to power control box on OFCA. Cable buried under soil materials both offsite and under ~~swale~~ soil in swale.

0905 Return to ONCA to observe drum disposal activities.

1020 Roll 16 Photo 16 Facing N of M&E unloading roll off to drum pad.

Joseph Allard

(133)

11/13/01

Joseph Allard

1044 TK Lingforth reported that the meeting to review the LTGRP will be this Thursday after Thanksgiving. He also reported earlier that Heritage Industrial Services was onsite yesterday to review items with the M&E yard piping installation.

1055 Spoke with L. Campbell via phone regarding site activities.

1110 Roll 16 Photo 17 Facing Northwest of M&E shearing drum waste

1115 Roll 16 Photo 18 Facing Northwest. M&E shearing drum containing white material for disposal.

1120 Left site for Day to return to office

Joseph Allard
11/13/01

(134)

11/15/01 *Jeff E. Smith*

0710 Arrive On site, Partly Cloudy ~60°F

• Light wind from South-Southwest

Personnel Present on-site

* Lee Dross MWH

* Ken Field MEI

Angustine Lewis MEI

Mike Adams Triad Transport

Tony Garcia Ozinga

Doug Driman MEI

Robert Shreder NPS/MEI

* Leigh Albrecht BVSPL

* Travis Klingforth MWH

0720 Observed MEI prepare for drum shearing activities. Spoke with T. Klingforth. He reported 4 roll-offs remain at drum carcass wastes. Will process 3 today.

On Friday. will process remaining roll off and overpack two remaining drums for disposal. Overpacks and final roll off to be removed Monday. T. Klingforth also reported that roll off with 15 VE drill cuttings was unloaded to firepond area on 11/14/01.

0735 Walked to firepond area.

0740 Roll 16 Photo 19 Facing North Photo showing the debris from the BVE well installation

Jeff E. Smith

(135)

11/15/01

Jeff E. Smith

that was unloaded into the firepond area

0750 Returned to drum pad to observe activities

Ozinga removed empty roll off staged on entrance road to trailer

0820 Ozinga began unloading roll offs. K. Field reported that they would try to get all 4 roll offs processed today.

0930 Sean Grady from IDEM arrived on site

0945 Visited OFCA with IDEM and MWH

1010 MWH held weekly construction meeting
Attendees (* on previous list) plus:

Todd Lewis	MWH	Jason Coburn	OES
Sean Grady	IDEM	Tom Tinicos	MWH
Peter Vagt	MWH	Kevin Adler	EPA
Rob Adams	MWH		(via phone)

Health & Safety:

- No incidents. Only drum debris activities. taking PID readings during dumping of roll off and routinely
- MWH Corporate H&S officer to visit site in December.

GWTP

- Not pulling from OFCA, pumping from ONCA + MWSB
- repaired catalytic oxidizer unit
- Will begin pumping from OFCA when power installed.

BVES

- CDS completed repairs. MWH to install pump

Jeff E. Smith

(136)

11/15/2001

J. S. Sullivan

• Slusser's to place sod or seed - expected to assess today.

• CDS to finish demob next week.

Off Site Utility

• NIPSCO hooked up power - set meter, MCL connected, Arstgen running permanent power to BW206. Scheduled to be completed by 11/16/01.

ISVE:

- HTS onsite 11/13 for preconstruction meeting
- 11/19 to move equipment and materials
- 11/26 Kick-off mtg @ 10:00AM, start intrusive
- Blower expected next couple of weeks
- Oxidizer expected January 2002
- Arstgen and AMT discussing control logic

Drum Disposal Activities:

- 234 drums shipped off site
- 18 or 19 rolloffs expected total shipped off site
- All rolloffs dumped today, one roll off load of drum debris to remain overnight for removal 11/16.
- No shipments after 11/19. Decon by 11/20
- ISVE drill cutting debris dumped in firepond.

LTGMP:

- Mtg tentatively scheduled 11/29 to discuss

J. S. Sullivan

(137)

11/15/01

J. S. Sullivan

IDEM, EPA comments. MMK developing written response.

Next Mtg scheduled for 11/29/01

1040 Construction Mtg adjourn

11/15 left site for Day

~~J. S. Sullivan~~
11/15/01

(138)

11/26/01

Jeff Peters

0740

Arrive on site. Cloudy, 40°F Wind from northwest

Personnel Present:

Lee Drosz MWH

Leigh Peters BVSPC

Tim Anstgen's

0745

Spoke with Lee Drosz of MWH. He reported that there were no contractors scheduled to be on site today except for Anstgen who is working on the GWT. Lee Drosz also reported that the kickoff meeting with Heritage was cancelled due to contractual negotiations last weekend regarding health and safety. He was not sure when Heritage to be on site next. Lee also reported that all of town disposal activities completed last week.

0755

Drove to OFCA observed that some equipment and supplies mobilized to site by HIS

0800

Roll 16 Photo 20 showing east showing supplies and equipment mobilized to OFCA by Heritage

0805

Left site for day.

Jeff Peters
11/26/01

(139)

11/29/01

Jeff Peters

0945 Arrive on site, Cloudy, 45°F

Personnel Present

* Lee Drosz MWH

Kevin Foley Simlabs

Tracy Hall Anstgen

Rich Flores Anstgen

* Chris Daly MWH

Robert Adams MWH

Travis Klingforth MWH

* Tom Timics MWH

* Sean Grady IDEM

* Leigh Peters BVSPC

* Larry Campbell BVSPC

1005 Weekly Construction Meeting

Attendees - * on previous list plus

Kevin Adler USEPA

Rob Adams MWH

Peter Vogt MWH

Omid Sami MWH

Mark Travers Environ

Health and Safety

- No incidents, All MWH signage displayed
- HIS received site specific HIS training

GWT

- MWH performed carbon change-out on 11/27/01

Jeff Peters

(140)

11/29/01

Hydrotech

- GWTP running on circulation - resume pumping from MW56, EN11, EN10, EN12, EN13, EN15, EN16, EN19, EN20B + EN20C on Monday. Closed discharging through structure 1.
- Discharging 50-65 gpm to wetland.

GSVE

- Heritage Industrial Services began on site preparations
- Completion date 12/21/01 still target date
- HTS to straighten pipe + begin installation 12/13/01
- Digging with backhoe with narrow bucket
- Oxidizer - mid-January. System start up - March/April

Drum Disposal Activities

- MNA receiving certificates of destruction from DES
- MEI completed decon and demobilized from site

Revised Long Term Groundwater Monitoring Plan

- Meeting scheduled today to discuss comments

ORC South Area Pilot Study

- Sampling to be conducted today. Analysis for VOCs
- Final, 6th round of ORC sampling

1045 Mtg Adjourn - Next meeting 12/6/01

1100 Meeting for revised Long Term Groundwater monitoring program

1446 Mtg adjourn

1500 Observed MNA begin ORC sampling at ORC104

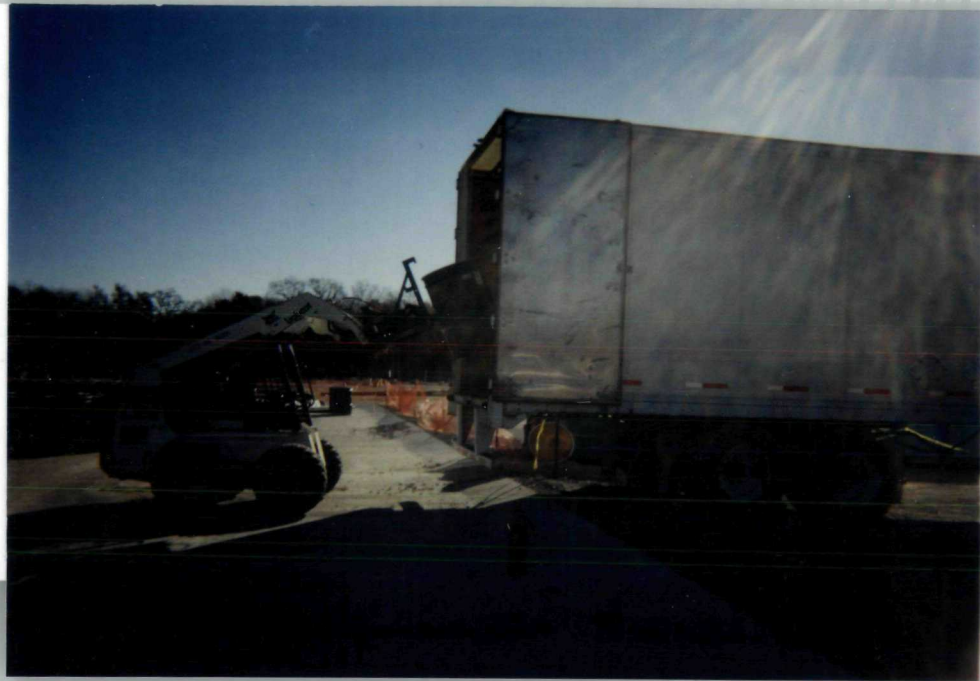
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Hydrotech

11/29/01

- 1575 Roll 16 Photo 21 Photo facing north showing Travis Klingforth and looking Hienholz sampling at ORC104
- 1530 Roll 16 Photo 22 facing north of well sampling ORC104
- T. Klingforth reported analysis on VOCs only. Remaining four ORC wells to be sampled 11/30.
- 1535 Left Site for Day

11/30/01
Hydrotech



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #1
 Date: 11-05-01 Time: 10:10
 Photographer: Leigh Albrecht
 Description: Photo facing west showing Midwest
 Environmental, Inc. loading an
 overpacked drum into trailer for transport
 to Port Arthur, Texas.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #2
 Date: 11-05-01 Time: 10:15
 Photographer: Leigh Albrecht
 Description: Photo facing south showing Midwest
 Environmental, Inc. and Onyx
 Environmental Services loading
 overpacked drums in trailer for disposal.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #3
 Date: 11-05-01 Time: 10:35
 Photographer: Leigh Albrecht
 Description: Photo facing south into excavation
 showing the tile at EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #4
 Date: 11-05-01 Time: 11:05
 Photographer: Leigh Albrecht
 Description: Photo facing southeast showing Contract
 Dewatering Services lowering the 48-
 inch-diameter manhole into the excavation
 at EW-20C for connection to the tile.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #5
 Date: 11-05-01 Time: 11:10
 Photographer: Leigh Albrecht
 Description: Photo facing southeast into the excavation showing a Contract Dewatering Services employee with SCBA connecting the tile to the manhole at EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #6
 Date: 11-05-01 Time: 13:40
 Photographer: Leigh Albrecht
 Description: Photo facing north showing the broken well-point system established by Contract Dewatering Services at EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #7
 Date: 11-05-01 Time: 13:45
 Photographer: Leigh Albrecht
 Description: Photo facing southeast showing the root zone material excavated from the PCB wetland area, stockpiled on the OFCA.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #8
 Date: 11-08-01 Time: 08:15
 Photographer: Leigh Albrecht
 Description: Photo facing west of Contract Dewatering Services compacting the clay cover with a sheepfoot roller at extraction well EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #9
 Date: 11-08-01 Time: 08:20
 Photographer: Leigh Albrecht
 Description: Photo facing west looking into repaired
 extraction well EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #10
 Date: 11-08-01 Time: 08:25
 Photographer: Leigh Albrecht
 Description: Photo facing north showing Great Lakes
 Soil & Environmental Testing performing
 moisture and compaction testing on the
 clay cover at EW-20C.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #11
 Date: 11-08-01 Time: 11:30
 Photographer: Leigh Albrecht
 Description: Photo facing southeast showing Midwest Environmental, Inc. unloading rolloff containing drum carcass debris onto the concrete drum storage pad.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #12
 Date: 11-08-01 Time: 13:30
 Photographer: Leigh Albrecht
 Description: Photo facing southeast showing Midwest Environmental, Inc. shearing the drum carcasses for disposal.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 16 Photo #13

Date: 11-08-01 Time: 14:00

Photographer: Leigh Albrecht

Description: Photo facing west showing Contract Dewatering Services spreading top soil over compacted clay cover near extraction well EW-20C.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 16 Photo #14

Date: 11-13-01 Time: 08:30

Photographer: Leigh Albrecht

Description: Photo facing north showing the shearer loading a lined Triad rolloff with processed drum carcass debris for disposal.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 16 Photo #15

Date: 11-13-01 Time: 08:55

Photographer: Leigh Albrecht

Description: Photo facing northwest of the NIPSCO power cable connected to the power supply panel on the OFCA. Note the cable is buried under soil material.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 16 Photo #16

Date: 11-13-01 Time: 10:20

Photographer: Leigh Albrecht

Description: Photo facing north showing Midwest Environmental, Inc. unloading rolloff containing drum carcass debris onto concrete drum storage pad.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #17
 Date: 11-13-01 Time: 11:00
 Photographer: Leigh Albrecht
 Description: Photo facing northwest showing Midwest
 Environmental, Inc. shearing drum
 carcass debris for disposal.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #18
 Date: 11-13-01 Time: 11:15
 Photographer: Leigh Albrecht
 Description: Photo facing northwest showing Midwest
 Environmental, Inc. shearing drum
 carcass debris for disposal.



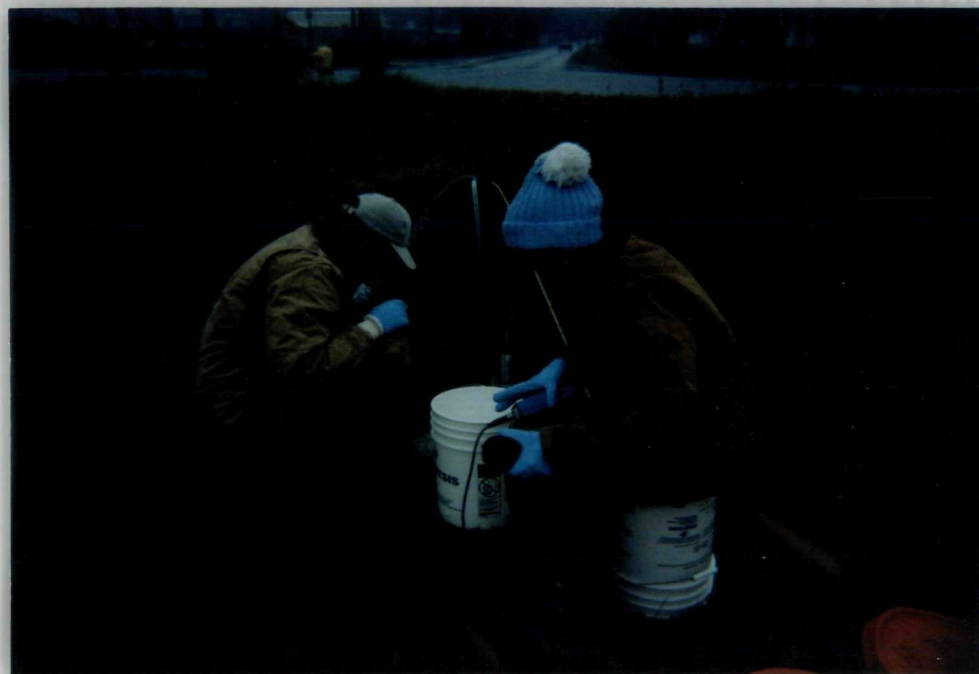
Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #19
 Date: 11-15-01 Time: 07:40
 Photographer: Leigh Albrecht
 Description: Photo facing north showing the drill cuttings and plastic sheeting from the ISVE well installation that were placed in the ONCA firepond area.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #20
 Date: 11-26-01 Time: 08:00
 Photographer: Leigh Peters
 Description: Photo facing east showing the supplies and equipment mobilized to the OFCA by Heritage Industrial Services for the ISVE yard piping installation.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #21
 Date: 11-29-01 Time: 15:15
 Photographer: Leigh Peters
 Description: Photo facing north showing Montgomery
 Watson Harza personnel connecting the
 pump to ORC well 104 to perform
 sampling.



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 16 Photo #22
 Date: 11-29-01 Time: 15:30
 Photographer: Leigh Peters
 Description: Photo facing north showing Montgomery
 Watson Harza personnel performing
 sampling activities at ORC well 104.